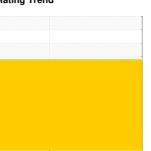


OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Right Final Drive PETRO CANADA TRAXON 80W90 (--- GAL)

DIAGNOSIS

100-048 Component

Recommendation

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample.

Wear

PQ levels are abnormal. Chromium and iron ppm levels are abnormal. Aluminum ppm levels are noted. Titanium ppm levels are marginal. Gear wear is indicated. The high ferrous density (PQ) index indicates that abnormal wear is occurring.

Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. High amount of ingressed dirt has caused abrasive wear to the component.

Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

				Mar2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0920789		
Sample Date		Client Info		19 Mar 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				ABNORMAL		
CONTAMINATIO	V	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		2040		
Iron	ppm	ASTM D5185(m)	>500	1735		
Chromium	ppm	ASTM D5185(m)	>10	23		
Nickel	ppm	ASTM D5185(m)	>10	1		
Titanium	ppm	ASTM D5185(m)		<u> </u>		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>25	197		
Lead	ppm	ASTM D5185(m)	>25	0		
Copper	ppm	ASTM D5185(m)	>50	3		
Tin	ppm	ASTM D5185(m)	>10	0		
Antimony	ppm	ASTM D5185(m)	>5	0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	243	2		
Barium	ppm	ASTM D5185(m)	1	4		
Molybdenum	ppm	ASTM D5185(m)		<1		
Manganese	ppm	ASTM D5185(m)		17		
Magnesium	ppm	ASTM D5185(m)	2	51		
Calcium	ppm	ASTM D5185(m)	6	579		
Phosphorus	ppm	ASTM D5185(m)	987	217		
Zinc	ppm	ASTM D5185(m)	1	8		
Sulfur	ppm	ASTM D5185(m)	21530	13214		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS	}	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>75	<u>▲</u> 892		
Sodium	ppm	ASTM D5185(m)		49		
Potassium	ppm	ASTM D5185(m)	>20	68		



OIL ANALYSIS REPORT

